

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** ( Not for submission under 37 CFR 1.99)

Application Number		10598117
Filing Date		2006-08-17
First Named Inventor	Harris, Craig Steven	
Art Unit		
Examiner Name		
Attorney Docket Number	101401-1P US	

## **U.S.PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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## **U.S.PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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## **FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> j	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	2000/53185	WO	A1	2000-09-14	Merck & Co. Inc.		<input type="checkbox"/>
	2	2004/017961	WO	A2	<del>2000-09-14</del>	AstraZeneca AB		<input type="checkbox"/>
	3	2004/018479	WO	A1	2004-03-04	AstraZeneca AB		<input type="checkbox"/>

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3	1998/02430	WO	A1	1998-01-22	Pfizer Pharmaceuticals Inc.	<input type="checkbox"/>
5	1996/03383	WO	A1	1996-02-08	Eli Lilly and Company	<input type="checkbox"/>
6	1999/51595	WO	A1	1999-10-14	Merck & Co. Inc	<input type="checkbox"/>
7	1997/14697	WO	A1	1997-04-24	Takeda Chemical Industries, Inc.	<input type="checkbox"/>
8	2002/66459	WO	A1	2002-08-29	AstraZeneca AB	<input type="checkbox"/>
9	2002/92565	WO	A2	2002-11-21	AstraZeneca AB	<input type="checkbox"/>
10	2004/18480	WO	A1	2004-03-04	AstraZeneca AB	<input type="checkbox"/>
11	2004/18459	WO	A1	2004-03-04	AstraZeneca AB	<input type="checkbox"/>
12	2004/18420	WO	A1	2004-03-04	AstraZeneca AB	<input type="checkbox"/>
13	2005/080402	WO	A1	2005-09-01	AstraZeneca AB	<input type="checkbox"/>
14	2005/080400	WO	A1	2005-09-01	AstraZeneca AB	<input type="checkbox"/>

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15	2000/69433	WO	A1	2000-11-23	Merck & Co. Inc		<input type="checkbox"/>
16	2000/04013	WO	A1	2000-01-27	Merck & Co. Inc		<input type="checkbox"/>
17	1999/41252	WO	A1	1999-08-19	Merck & Co. Inc		<input type="checkbox"/>
18	1999/41251	WO	A1	1999-08-19	Merck & Co. Inc		<input type="checkbox"/>
19	1999/21557	WO	A1	1999-05-06	Merck & Co. Inc		<input type="checkbox"/>
20	1999/21553	WO	A1	1999-05-06	Merck & Co. Inc		<input type="checkbox"/>
21	1998/55479	WO	A1	1998-12-10	Merck & Co. Inc		<input type="checkbox"/>
22	1998/55470	WO	A1	1998-12-10	Merck & Co. Inc		<input type="checkbox"/>
23	1998/55123	WO	A1	1998-12-10	Merck & Co. Inc		<input type="checkbox"/>
24	1998/55119	WO	A1	1998-12-10	Merck & Co. Inc		<input type="checkbox"/>
25	1998/55116	WO	A1	1998-12-10	Merck & Co. Inc		<input type="checkbox"/>

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26	1997/21707	WO	A1	1997-06-19	Merck & Co. Inc		<input type="checkbox"/>
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28	1997/21703	WO	A1	1997-06-19	Merck & Co. Inc		<input type="checkbox"/>
29	1997/21435	WO	A1	1997-06-19	Merck & Co. Inc		<input type="checkbox"/>
30	2000/53602	WO	A1	2000-09-14	Merck & Co. Inc		<input type="checkbox"/>
31	2002/66477	WO	A2	2002-08-29	AstraZeneca AB		<input type="checkbox"/>
32	2000/53181	WO	A1	2000-09-14	Merck & Co. Inc		<input type="checkbox"/>
33	2000/53180	WO	A1	2000-09-14	Merck & Co. Inc		<input type="checkbox"/>
34	2000/53179	WO	A1	2000-09-14	Merck & Co. Inc		<input type="checkbox"/>
35	2000/53178	WO	A1	2000-09-14	Merck & Co. Inc		<input type="checkbox"/>
36	1999/51596	WO	A1	1999-10-14	Merck & Co. Inc		<input type="checkbox"/>

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38	1999/51233	WO	A1	1999-10-14	Merck & Co. Inc		<input type="checkbox"/>
39	1999/51232	WO	A1	1999-10-14	Merck & Co. Inc		<input type="checkbox"/>
40	1999/51231	WO	A1	1999-10-14	Merck & Co. Inc		<input type="checkbox"/>
41	2002/66478	WO	A1	2002-08-29	AstraZeneca AB		<input type="checkbox"/>
42	2005/79805	WO	A1	2005-09-01	AstraZeneca AB		<input type="checkbox"/>

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**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	ASHTON, W. T. et. al., Substituted Indole-5-carboxamides and -acetamides as Potent Nonpeptide GnRH Receptor Antagonists, Bioorganic & Medicinal Chemistry Letters, 2001, pages 1723-1726, vol. 11.	<input type="checkbox"/>
	2	ASHTON, W. T. et. al., Potent Nonpeptide GnRH Receptor Antagonists Derived from Substituted Indole-5-carboxamides and -acetamides Bearing a Pyridine Side-Chain Terminus, Bioorganic & Medicinal Chemistry Letters, 2001, pages 1727-1731, vol. 11.	<input type="checkbox"/>
	3	ASHTON, W.T. et. al., Orally Bioavailable, Indole-Based Nonpeptide GnRH Receptor Antagonists with High Potency and Functional Activity, Bioorganic and Medicinal Chemistry Letters, 2001, pp. 2597-2602, vol. 11.	<input type="checkbox"/>

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4	CHU, L. et. al., Initial Structure-Activity Relationship of a Novel Class of Nonpeptidyl GnRH Receptor Antagonists: 2-Arylindoles, Bioorganic and Medicinal Chemistry Letters, 2001, pages 509–513, vol. 11.	<input type="checkbox"/>
5	CHU, L. et. al., SAR Studies of Novel 5-Substituted 2-Arylindoles as Nonpeptidyl GnRH Receptor Antagonists, Bioorganic and Medicinal Chemistry Letters, 2001, pages 515–517, vol. 11.	<input type="checkbox"/>
6	FREIDINGER, R. M., Nonpeptidic ligands for peptide and protein receptors, Current Opinion in Chemical Biology, 1999, pages 395–406, vol. 3.	<input type="checkbox"/>
7	GOULET, M, T., Gonadotropin Releasing Hormone Antagonists, Annual Reports in Medicinal Chemistry, 1995, pages 169 – 178, vol. 30.	<input type="checkbox"/>
8	LIN, P. et. al., 2-(3,5-Dimethylphenyl)tryptamine Derivatives That Bind to the GnRH Receptor, Bioorganic & Medicinal Chemistry Letters, 2001, pp. 1073 – 1076, vol. 11.	<input type="checkbox"/>
9	LIN, P. et. al., Heterocyclic Derivatives of 2-(3,5-Dimethylphenyl)tryptamine as GnRH Receptor Antagonists, Bioorganic & Medicinal Chemistry Letters, 2001, pages 1077 – 1080, vol. 11.	<input type="checkbox"/>
10	SIMOENE, J. P. et. al., Synthesis of chiral $\beta$ -methyl tryptamine-derived GnRH antagonists, 2001, Tetrahedron Letters, pages 6459 – 6461, vol. 42.	<input type="checkbox"/>
11	WALSH, T. F., et. al., A convergent synthesis of (S)- $\beta$ -methyl-2-aryltryptamine based gonadotropin releasing hormone antagonists, 2001, Tetrahedon, pages 5233 – 5241, vol. 57.	<input type="checkbox"/>
12	YOUNG, J. R. et. al., 2-Arylindoles as Gonadotropin Releasing Hormone (GnRH) Antagonists: Optimization of the Tryptamine Side Chain, Bioorganic & Medicinal Chemistry Letters, 2002, pages 827–832, vol. 12.	<input type="checkbox"/>
13	UJJAINWALLA, F. & WALSH, T. F., Total synthesis of 6- and 7-azaindole derived GnRH antagonists, Tetrahedron Letters, 2001, pages 6441 – 6445, vol. 42.	<input type="checkbox"/>
14	SIMEONE, J. P., et. al., Modification of the Pyridine Moiety of Non-peptidyl Indole GnRH Receptor Antagonists, Bioorganic & Medicinal Chemistry Letters, 2002, pages 3329 – 3332, vol. 12.	<input type="checkbox"/>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.R./

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15

GIBBS, J. B. & OLIFF, A., Pharmaceutical Research in Molecular Oncology, Cell, 1994, pages 193 – 198, vol. 79.



If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature	/Craig Ricci/	Date Considered	10/06/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.

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**CERTIFICATION STATEMENT**

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

**OR**

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Lucy Padget/	Date (YYYY-MM-DD)	2007-03-15
Name/Print	Lucy Padget	Registration Number	L0074

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

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4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
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7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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